



LOW LIFETIME
REGION

(a)

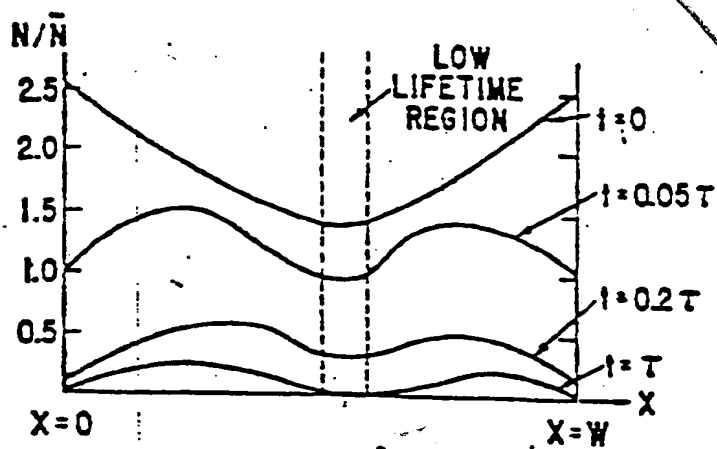


Fig. 1A

Fig. 1B

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Minority Carrier Recombination
Center Concentration

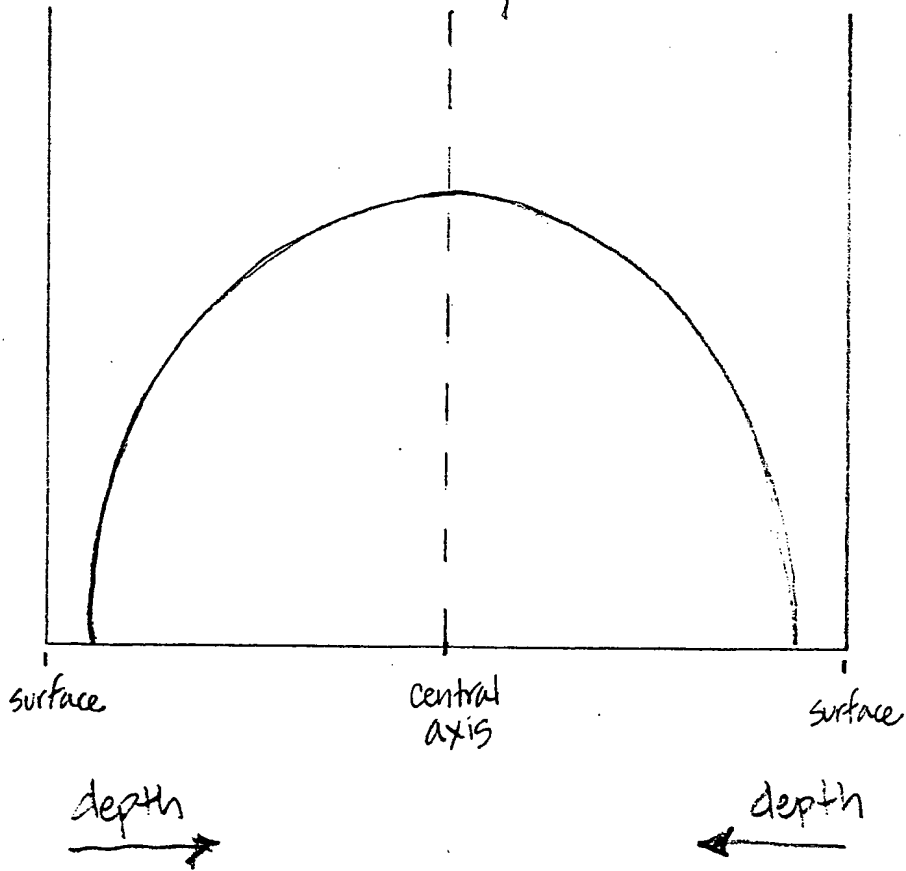


Fig. 3

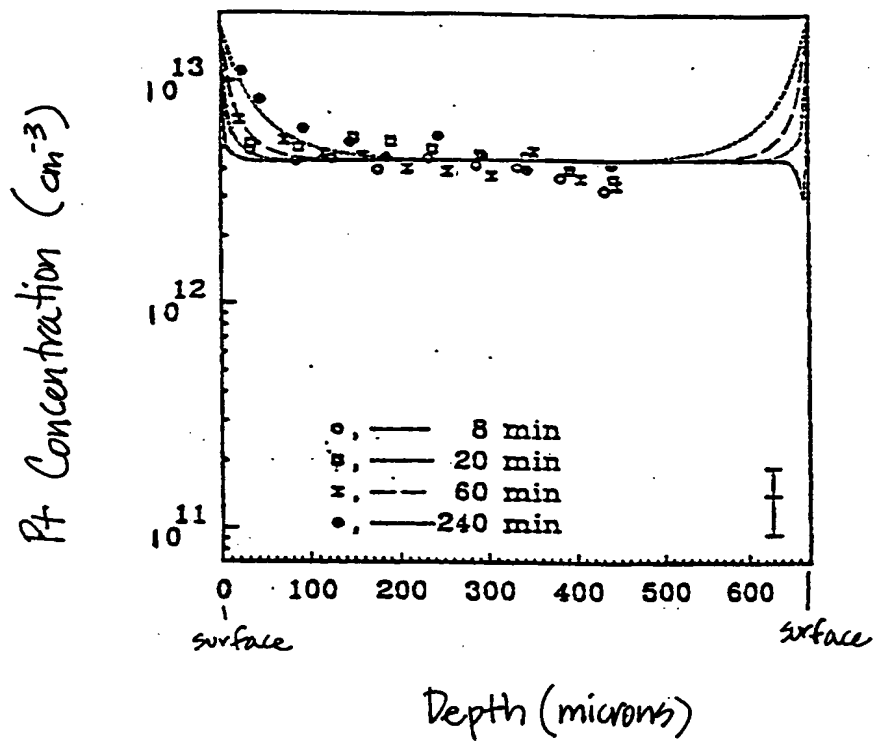


Fig. 4

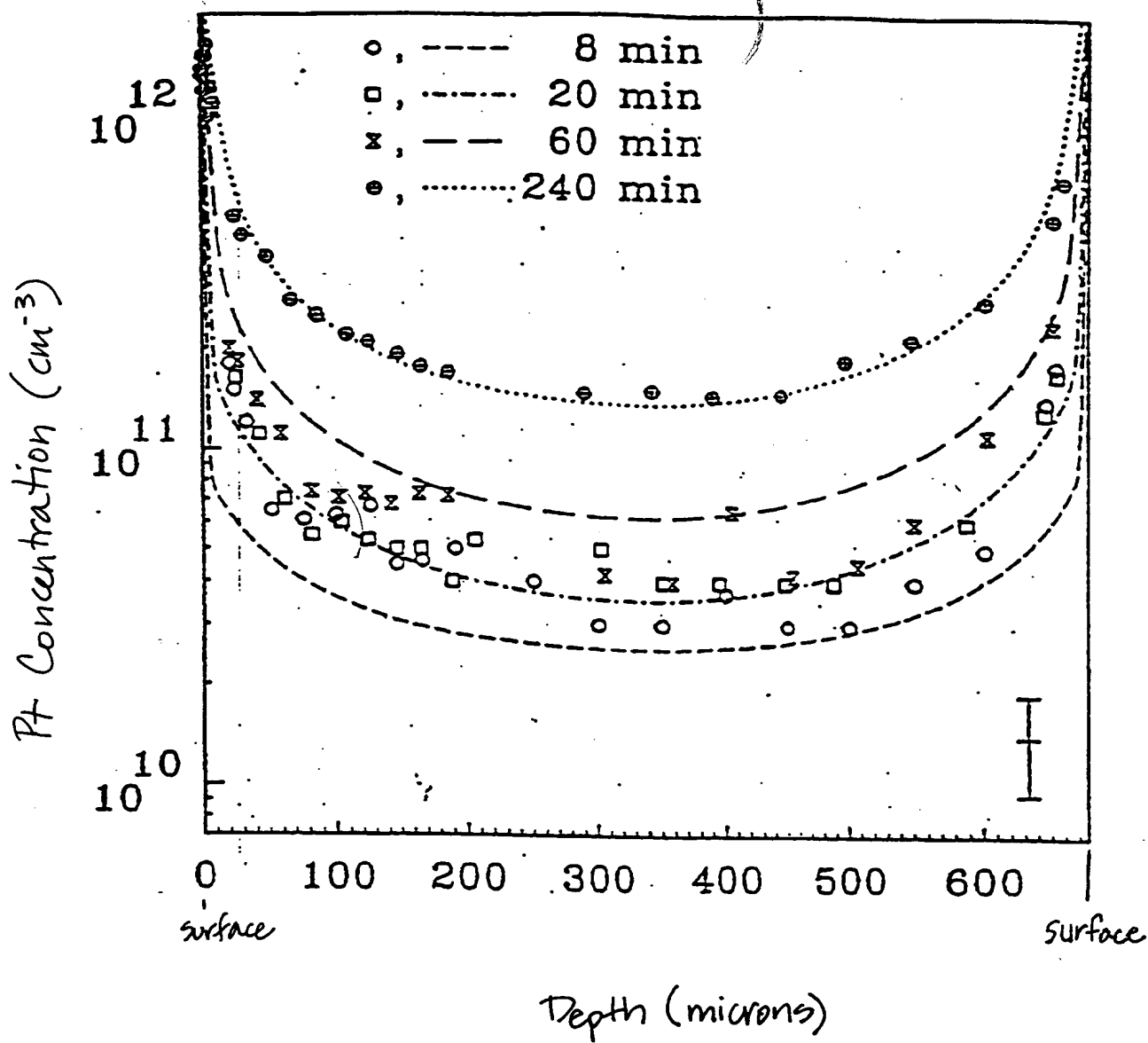
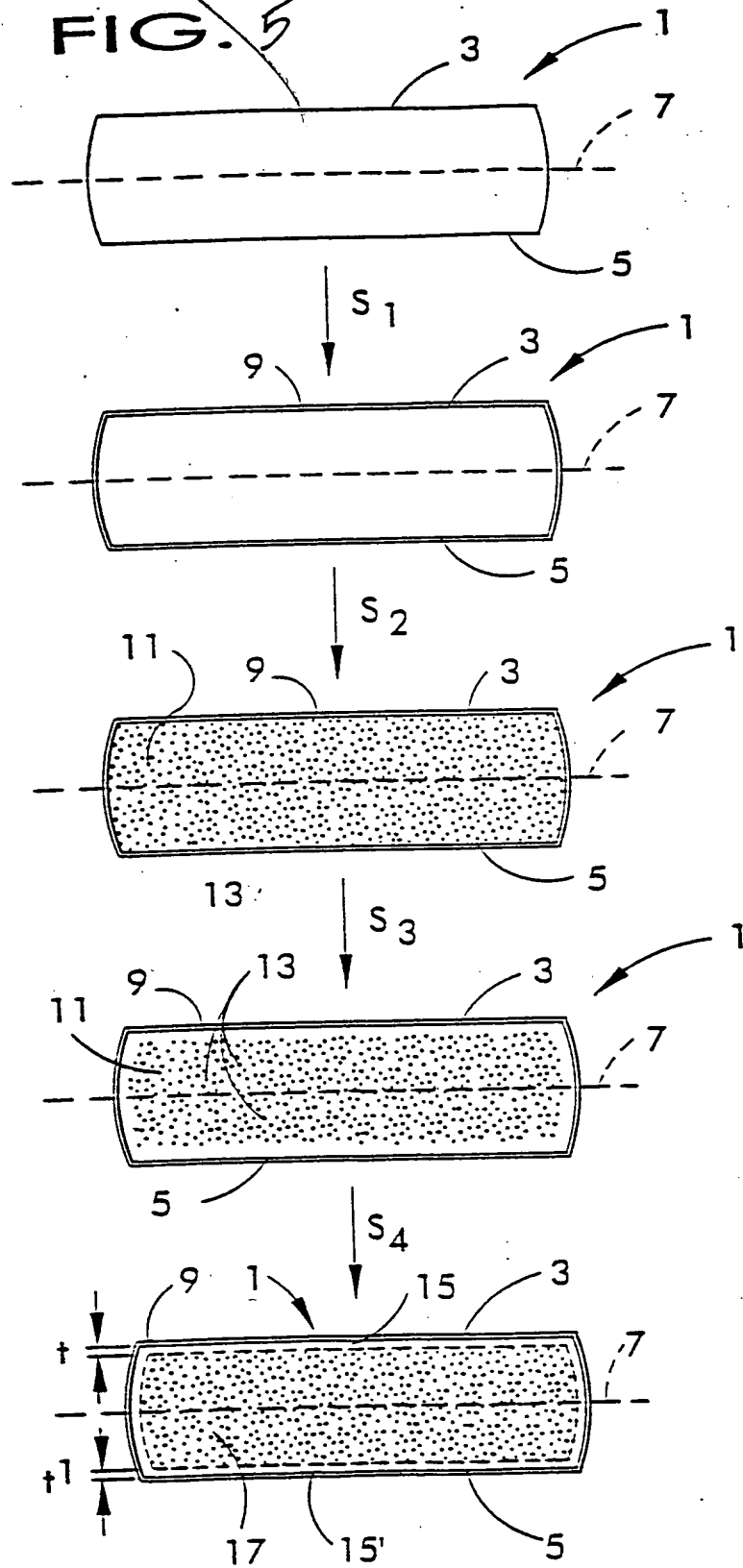
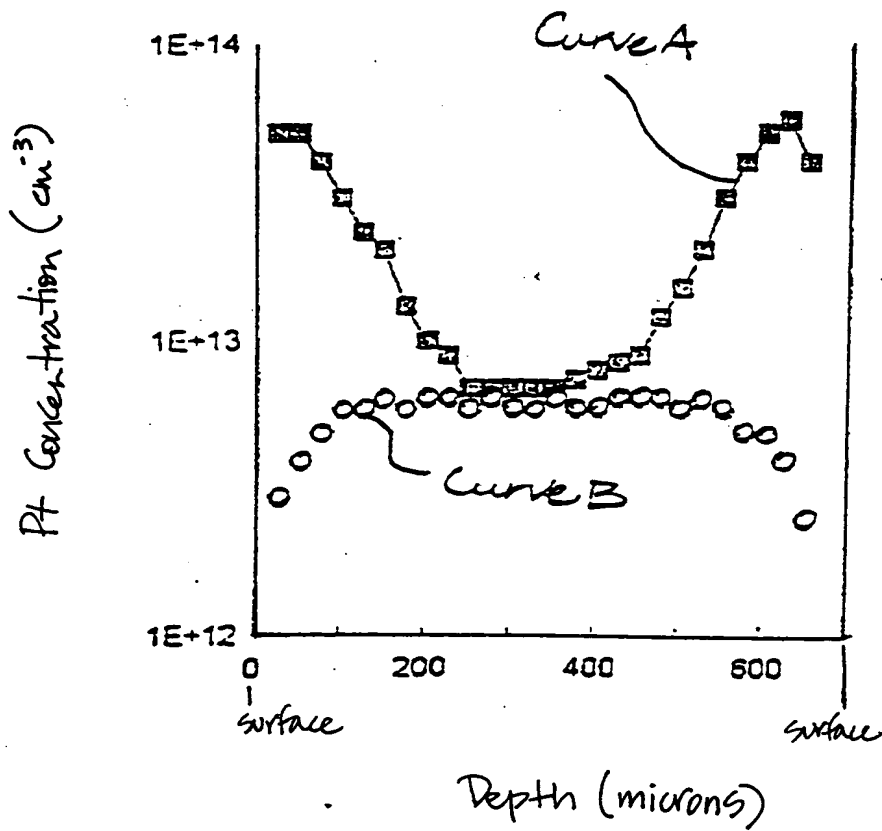


FIG. 5



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Fig. 7



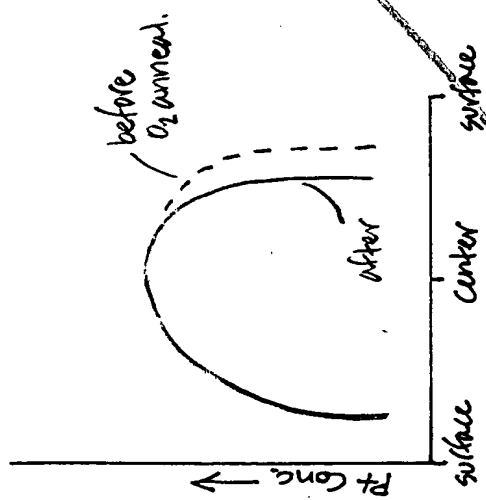


Fig. 8A

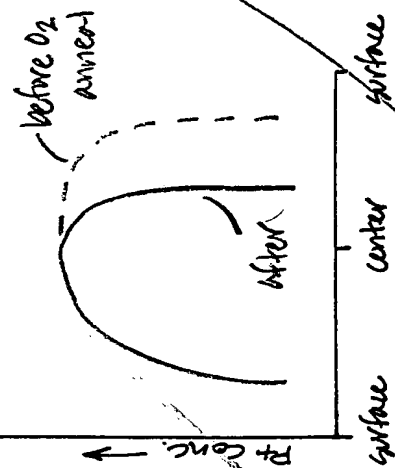


Fig. 8b

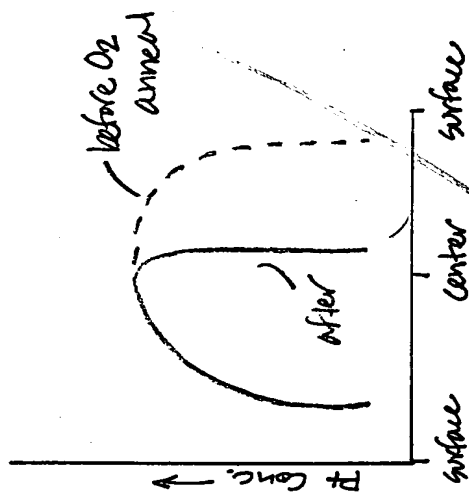


Fig. 8C

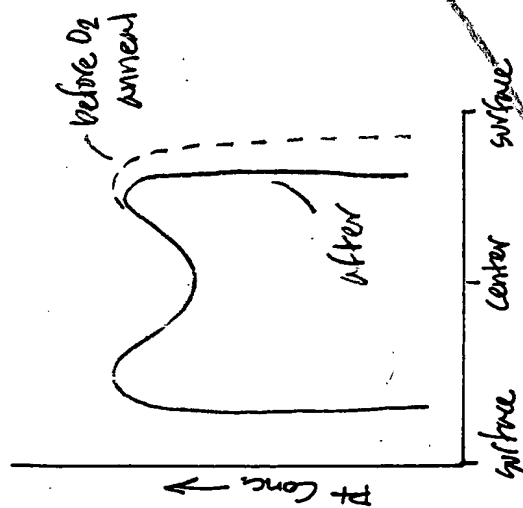


Fig. 8D

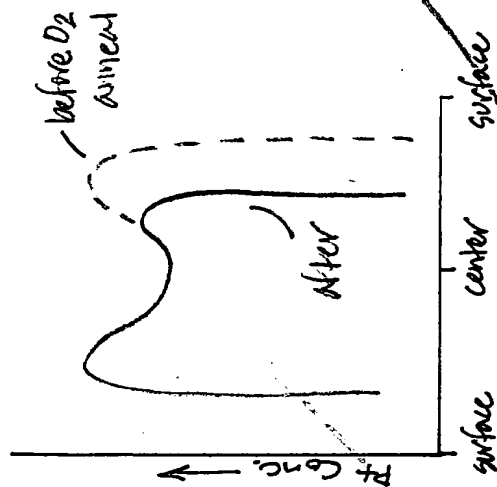


Fig. 8E

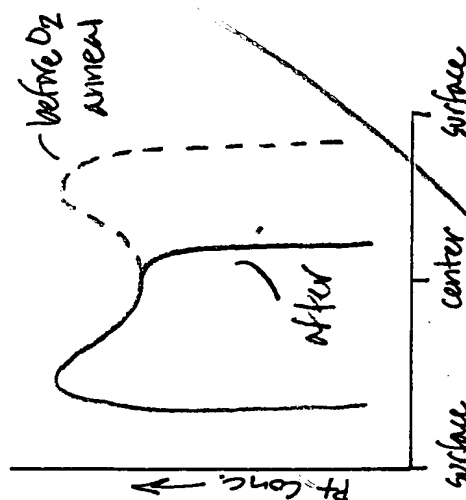


Fig. 8F